

comparatively slender, and so much decurved that the fruits when ripe are usually buried in the mould of the dark forests in which the plant grows.

Baker, in his *Revision of Asparagæ* (Journ. Linn. Soc., XIV. 581), adds a doubtful species (*T. ? Singapuriana*, Wall.) to the genus. Of this I have seen only a very bad specimen without fruit or flower, but to me it appears a *Hypoxidea* or more likely a species of *Apostasia*. The same author makes *Veratronia*, Miq., a *Palmacea* (from which the fleshy scanty albumen would alone remove it), having evidently overlooked a little note of mine on this genus in the *Flora*, 1873, p. 224, where I have identified the plant with *Susum anthelminticum* of Blume. In this note I have inadvertently overlooked *Susum minus*, Miq. Suppl. Fl. Sumatr. 598, which should be added as a synonym to *S. Kassintu*, Kurz.

TUPISTRA STOLICZKANA, nov. sp.

Herba perennis 3—4-pedalis, glabra; folia iis *T. nutantis* similia sed multo majora et latiora, lanceolata, utrinque acuminata, in petiolum 1—1½ pedalem complicatum membranaceo-marginatum decurrentia, 2½—3 ped. longa, 4—5 poll. lata, chartacea; spicæ radicales, circ. 1 ped. altæ, strictæ erectæ, robustæ, pedunculo c. 4 pollicari suffultæ, glabræ; flores sessiles, mediocres, ½—¾ poll. in diametro, bractea latissimâ cucullatâ obtusâ infractâ sustenti; corolla 6-loba, tubus urceolato-campanulatus, limbi lacinia linearilanceolatæ c. 3 lin. longæ, obtusiusculæ, basi ad faucem antheram sessilem oblongam utrinque truncatam 2-locularem gerentes; ovarium ovoideum, 3-loculare; stylus sulcatus, crassus, circ. 1 lin. longus; stigma magnum, convexo-peltatum, lobatum, scabrum; baccæ valde immaturæ ovoideo-globosæ, cerasi magnitudinis.

HAB.—Upper Tenasserim, Moulmein District (Dr. F. Stoliczka).

XVIII.—*Descriptions of new Indian Plants.*—By S. KURZ.

(With Plate XV.)

(Received Sept. 30th;—Read Nov. 4th, 1875.)

1. ZANTHOXYLON ANDAMANICUM, nov. sp.

Frutex semiscandens, aculeis sparsis subcurvis brevibus armatus, novellis parce pubescentibus; folia imparipinnata, 2—4 poll. longa, petiolo inermi anguste alato; foliola 3—4-juga cum impari, subsessilia, inæquali-rhomboidæ (terminali cuneato-obovato), ½—1 poll. longa, obtusa, membranacea, margine exteriori salvo apicem versus integra, secus interiorem grosse crenata, subtus in costâ parce pubescentia; cætera ignota.—*Andamans*.

2. AGLAIA PANICULATA, nov. sp.

Arbor mediocris, sempervirens, novellis dense fulvo-v. cupreo-lepidotopuberulis mox glabrescentibus; folia impari-pinnata, glabra, rhachi terete

cupreo-lepidotula glabrescente; foliola vulgo 2-juga cum impari, subopposita, ovata ad ovato-oblonga, petiolulo ferrugineo-lepidoto 2—2½ lineali suffulta, 4—9 poll. longa, coriacea, glabra, opaca, foliolis summis ternatis v. pinnato-remotis; flores minuti, pedicellis gracilibus brevibus ferrugineo-lepidotis, in paniculas amplas ferrugineo lepidoto-tomentosas axillares foliorum longitudine v. paullo breviores dispositi; calyx ferrugineo-lepidotus, lobis latis obtusis; petala semilineam longa, libera; antheræ 5; baccæ ignotæ.—*Pegu; Tenasserim.*

3. AMOORA LACTESCENS, nov. sp.

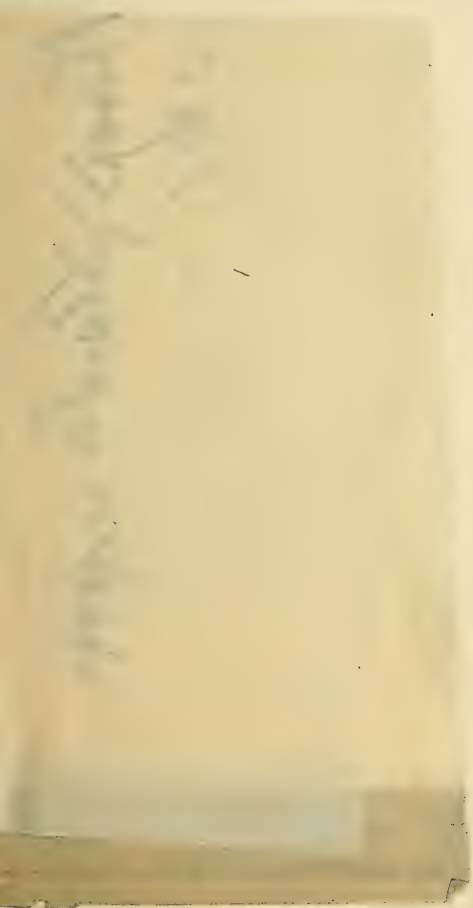
Arbor sempervirens, usque 40-pedalis, novellis pallide lepidotis, succo lacteo scatens; folia impari-pinnata, rhachi terete, lepidotula, mox glabrescentia; foliola 3—2-juga cum impari, alterna, oblonga ad lanceolato-oblonga, petiolulis 2—3 lin. longis suffulta, basi acutâ obliqua, acuminata, chartacea, viridia, glabra, 3—5 poll. longa, nervis venisque supra bene conspicuis; flores majusculi, pedicellis curvis argenteo-lepidotis 1—1½ lin. longis suffulti, paniculam axillarem petiolo breviorē laxam sessilem gracilem parce ramosam dense lepidotam efformantes; calyx dense lepidotus; petala 3, lineam circiter longa v. paullo longiora, concavo-rotundata, glabra; antheræ 6; fructus obovoideo-globosi, juniores furfuraceo-lepidoti, cerasi magnitudine.—*Martaban.*

4. AMOORA DYSOXYLOIDES, nov. sp.

Arbor sempervirens, mediocris, novellis cinereo-lepidotis; folia impari-pinnata, pedem circiter longa, rachi petiolo et costâ subtus dense canescenti-lepidotis; foliola 3-juga cum impari, alterna, oblonga, basi oblique acuta, petiolulis 2—3 lin. longis lepidotis suffulta, subabrupte et obtusiuscule acuminata, tenuiter coriacea, nigrescentia, opaca, subtus sparse et minute argenteo-lepidota; flores parvi, pedicellis brevibus crassis lepidotis suffulta, in paniculam axillarem parvam petiolo multo breviorē dense canescenti v. gilvo-lepidotam sessilem disgesti; calyx brevis, dense lepidotus, 5-dentatus; petala 5, lineam vix longa, obovato-oblonga, glabra; tubus stamineus glaber; antheræ 10; ovarium ovoideum, pallide hirsutum; stigma sessile, magnum, glabrum.—*Martaban.*

5. WALSURA OXYCARPA, nov. sp.

Arbor, gemmis fulvescenti-puberulis; folia impari-pinnata, petiolo rachique sparse lenticellatis glabris gracilibus; foliola bijuga cum impari, petiolulis ½—¾ pollicaribus gracilibus suffulta, lanceolata ad oblongo-lanceolata, 3—4½ poll. longa, tenuiter chartacea, longiuscule acuminata, subtus glaucescentia reticulatione tenuissimâ et inconspicuâ percursa; paniculæ fructigeræ gracillimæ et longe pedunculatæ, parce ramosæ, glabræ, foliis breviores; baccæ immaturæ ovato-oblongæ, acuminatæ, ½ poll. longæ, cinereo-velutinæ.—*Andamans.*



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DAPHNIPHYLLOPSIS, nov. gen. *Olacinearum*.

Pl. XV, Figs. 1—7.

Calyx 5-lobulatus, accrescens. Petala 5, raro 6—7, cum ovario connata, libera. Stamina perfecta 10, irregulariter v. alternatim longiora. Ovarium inferum, pedicelliforme, disco epigyno majusculo annulari coronatum; stylus perbrevis, simplex. Fructus cum calyce aucto connatus, disco epigyno et calycis lobulis coronatus.—Arbor magna, foliis simplicibus integris. Flores parvi, sessiles, in capitula pedunculata axillaria congesti.

6. *D. CAPITATA*, (*Ilex daphniphylloides*, Kurz in Journ. As. Soc. Beng. 1870—72).

Descriptioni adde: Flores non pedicellati, sed cum ovario pedicelliformi sessiles; ovarium inferum, cum calyce connatum, parce pubescens, apice disco epigyno glabro crasso annulari obscure lobato terminatum; baccæ immaturæ obovoideæ, c. 3 lin. longæ, parce pubescentes.—*Montes Himalayæ Sikkimensis et Martabanæ*, 5—7000 ped. s. m.

NATSIATOPSIS, nov. gen. *Olacinearum*.

Pl. XV, Figs. 8—9.

Flores fertiles ignoti; masculi: calyx 4-fidus, parvus. Corolla tubulosa, apice 4-loba. Stamina 4, libera, cum corollæ lobis alterna; filamenta longa, lata; antheræ lineari-oblongæ. Ovarii rudimentum dense hispidum.—Herba perennis, volubilis, scabra, foliis alternis cordato-ovatis palmatinerviis. Flores in spicas vulgo geminas axillares graciles dispositi; bractæ deciduæ.

7. *N. THUNBERGILÆFOLIA*, nov. sp.

Herba perennis, volubilis, scabro-puberula; folia cordato-ovata v. oblonga, 5—6 poll. longa, petiolis 2—2½ poll. longis suffulta, breviter acuminata, supra scabra, subtus dense pubescentia, a basi 7-nervia; flores masculi brevissime pedicellati, 2 lin. circiter longi, in spicas ternas v. saepius geminas axillares laxas elongatas tomentellas disgesti; calyx parvus, 4-fidus, pubescens; corolla gamopetala, tubulosa, extus appresse pubescens, 4-loba, lobis brevibus reflexis; stamina 4, cum corollæ lobis alterna, filamenta libera, lato-linearia; ovarii rudimentum hemisphericum, dense fulvo-hispidum.—*Ava*.

8. *MIQUELLA CANCELLATA*, nov. sp.

Frutex volubilis, ramis tortuoso-striatis; folia oblongo-lanceolata, basi attenuata, petiolo circiter pollicari suffulta, 4—5 poll. longa, acuminata, rigide coriacea, lucida, subtus exigue puberula glabrescentia nervis et reticulatione crassis prominentibus percursa; drupæ (pericarpio deprivatæ) obovato-oblongæ, margines versus compressiusculæ, pollicem circiter longæ, elegan-

tissime at grosse cancellatæ; semen solitarium, endocarpio crustaceo conforme sed minus, cancellato-nervosum, pendulum. *Malacca* (Maingay No. 376).

Descriptio e specimine valde fragmentario confecta.

9. *ILEX SIKKIMENSIS*, nov. sp.

Arbor medioeris, glabra, ramis crassis, gemmis ample squamatis; squamæ lato-ovales, obtusissimæ, c. $\frac{1}{2}$ poll. longæ, glabræ, lato scarioso-marginatæ; folia larga, oblonga, basi in petiolum $\frac{1}{2}$ —1 pollicarem crassum attenuata, obtusiuscula, 5—6 poll. longa, repando-serrulata, coriacea, glabra; cymæ fructiferæ densæ, breves, robustæ, e perulis axillaribus v. supra foliorum cicatricibus ortæ, glabræ; baccæ globosæ, piperis grani magnitudine, læves, lutæ, pedicellis strictis c. 3 lin. longis suffultæ, stigmatibus sessili peltato-4-lobo coronatæ, 4-pyrenæ; pyrenæ trigonæ cum dorso convexo sublæves.—*In sylvis montanis subtemperatis Himalayæ Sikkimensis*, alt. 7—10000 *ped. s. m.* Fr. Oct.

Aff. *I. odoratæ*, gemmis maximis et drupis luteis 4-pyrenis jam distincta.

10. *GYMNOSPORA THOMSONI*, nov. sp.

Arborea, glabra, spinis nudis rectis armata, ramulis lenticellatis; folia lanceolata ad oblonga-lanceolata, petiolo gracili 2—3 lin. longo suffulta, 2—5 poll. longa, tenuiter acuminata, crenato-serrulata, membranacea, glabra, in sicco fuscescentia v. nigrescentia; flores parvi, 5-meri, pedicellis gracillimis 1—2 linealibus, cymas a basi fasciculato-ramosas pollice vix longiores axillares v. supra foliorum delapsorum axillis ortas efformantes; petala lin. circiter longa; capsulæ pisi majoris magnitudine, lato-obovatæ, acutiusculæ, læves, vulgo ultra medium bivalvato-dehiscentes, 2—1-loculares et 2—1-spermæ.—*Sikkim Himalaya* alt. 2—5000 *ped. s. m.*; *Bootan*, montes *Dewan-garee* (Masters) Fl. Apr. Fr. Sept. Oct.

Sub eodem nomine cum *Celastro monosperma* ex herb. Kewensi distributa.

11. *GYMNOSPORA GIBSONI*, nov. sp.

Frutex spinis crassis rectiusculis longis foliis et florigeris, armatus, novellis puberulis; folia obovata, petiolo 1—1 $\frac{1}{2}$ lin. longo suffulta, apiculata ad obtusa, 1—2 $\frac{1}{2}$ poll. longa, obsolete crenata, membranacea, in sicco brunnescentia, subtus puberula, supra glabra; cymæ fructigeræ folio paullum breviores, e spinis v. earum axillis ortæ, puberulæ, glabrescentes, graciles, pedunculatæ, dichotomo-ramosæ; capsulæ immaturæ glabræ, obpyriformes, vulgo 3-lobatæ et 3-loculares, $\frac{1}{2}$ poll. longæ, 3-valvatæ, loculis monospermis.—*Bombay Presidency* (Dr. Gibson).

12. *LOPHOPETALUM FUSCESCENS*, nov. sp.

Arbor glabra; folia oblonga, petiolo 1—1 $\frac{1}{2}$ pollicari suffulta, breviter acuminata, basi obtusa, integra, 4—8 poll. longa, coriacea, opaca, subtus

rubido-fuscescentia, nervis confertiusculis 14—16 utrinque; cymæ rigidæ, brachiatae, in paniculam terminalem glabram consociatae; pedunculi $1\frac{1}{2}$ —2 poll. longi, ramuli ultimi breves compresse 4-goni; flores parviusculi, pedicellis gracilibus lineam circiter longis suffulti, confertiusculi; calycis lobi breves, lati, rotundati; petala ovata, obtusiuscula, lin. longa, coriacea, margine lato membranaceo in alabastro induplicato aucta, cæterum nuda, in sicco in centro elongato-trigono-corrugata; discus indistincte 5-lobulus, in sicco rugulosus; stamina 5; filamenta longiuscula.—*Singapore.*

13. SALACIA JENKINSII, nov. sp.

Scandens?, glabra; folia petiolo 2—3 lin. longo suffulta, oblonga ad elliptico-oblonga, 5—7 poll. longa, apiculata v. abrupte et obtuse acuminata, basi obtusa v. rotundata, obsolete crenata, chartacea, glabra; flores majusculi, pedicellis c. $\frac{1}{3}$ pollicaribus suffulti, cymas dichotomas glabras in paniculam elongatam terminalem v. in summorum foliorum axillis sitam dispositam formantes; sepala lato-ovata, $\frac{1}{2}$ lin. longa, glabra; petala imbricata, obovata, obtusa, lineam longa v. longiora, glabra; stamina 3; filamenta subulata, lata, plana, recurva, $\frac{1}{2}$ lin. longa; discus urceolatus, ovarium fere totum includens.—*Assam* (Jenkins).

14. SALACIA PLATYPHYLLA, nov. sp.

Frutex alte scandens, glaber; folia ovalia v. elliptico-ovalia, petiolo $\frac{3}{4}$ — $\frac{5}{8}$ pollicari suffulta, obtusiuscule acuminata v. rarius apiculata, basi rotundata, integra coriacea, 4—6 poll. longa, opaca; flores majusculi, viridiusculi, pedicellis circa semipollicaribus lævibus crassiusculis suffulta, per plures e tuberculis axillaribus v. supra foliorum delapsorum cicatricibus orti; calycis lobi brevissimi et latissimi, integri, glabri; petala subvalvata, obovata, $1\frac{1}{2}$ lin. longa, glaberrima; discus magnus et crassus, glaber; stamina 3; antheræ minutæ; filamenta plana, deorsum latiora, reflexa, in floribus sterilibus (?) lineam fere longa, in floribus fertilibus valde abbreviata; baccæ magis minusve globosæ, cerasi maximi magnitudine, coccineæ, læves, 2-spermæ; semina semi-convexiuscula, $\frac{3}{4}$ poll. longa, obsolete et grosse rugosa.—*Nicobars.*

Ex affinitate *S. reticulatæ*.

15. HIPPOCRATEA NICOBARICA, nov. sp.

Frutex alte scandens, glaberrima ramulis sparse et minute lenticellatis; folia petiolo 3—4 lin. longo crasso suffulta, elliptica ad elliptico-oblonga, 5—6 poll. longa, basi obtusa, obtuse repanda, apiculata, coriacea, nitida, glauca; flores lutescentes, parvi, pedicellis $2\frac{1}{2}$ —3 lin. longis suffulti, in cymas dichotomo-ramosas pedunculatas vulgo ternas terminales dispositi; bracteæ et bracteolæ minutæ, acutæ; calycis lobi parvi, ovati, acuti, ciliati; petala rotundata, imbricata, $\frac{1}{2}$ lin. vix longa; discus convexus in marginem planum 5-gonum explanatus, ovarium fere totum includens; stamina 3, parva, subsessilia.—*Nicobars.*

16. *VITIS COSTATA*, Wall.

Humilis, prostrata v. scandens, ramulis 6-gonis, junioribus parce appresse hirsutis; folia simplicia, petiolo brevi 1—2½ lin. longo suffulta, ovato-v. subcordato-lanceolata, acuminata, repandocrenulata, basi rotundata v. subcordata, succoso-membranacea, concoloria, 4—6 poll. longa, subtus in nervis rectis parallelis prominentibus parce appresse hirsuta; flores . . . , in cymas parvas strictiusculas oppositifolias v. in ramulorum extremitatibus paniculatim dispositas collecti; pedunculus circ. ½ pollicaris et ramificationes strictiusculi, juniores appresse hirsutuli; baccæ piperis grani magnitudine, pedicello subnutante 2—3 lineari sursum incrassato suffultæ, obovoideæ.—*Pegu; Martaban; Prome.*

17. *V. NEUROSA*, nov. sp.

Scandens, lignosa, glaberrima; cirrhi firmi, simplices?, oppositifolii; folia digitato-5-foliolata, glaberrima, etiam in sicco glauco-viridia, petiolo 2—3 pollicari suffulta; foliola oblonga, lateralia obliqua, petiolulis crassis 3—5 lin. longis suffulta, basi obtusa v. acuta, irregulariter et grossiuscule serrata, obtusiuscule acuminata, 3—4 poll. longa, coriacea, nervis et reticulatione utrinque (subtus magis) conspicua; flores parviusculi, cymulosi, pedicellis 2—3 linealibus suffulti; cymulæ elongato-pedunculatæ, cymam iterato umbellatam glabram pedunculo circiter 2 pollicari basi bracteato axillari suffultam efficientes; calyx truncatus; ovarium ovoideum, in stylum crassum apice patenter 4-lobum attenuatum; baccæ oblongæ, ½ poll. longæ, glabræ, 1—3 spermæ; semina oblonga, v. si 2 v. 3, semi-v. trigono-oblongæ, 4—6 lin. longæ, dorso leviter longitudinaliter depressæ.—*Khasya montes, alt. 3—4000 ped. s. m. (Vitis No. 44, Hf. and Th.).*

18. *V. VICARYANA*, nov. sp.

Gracilis, glabra; folia tripinnatisecta ad ternatisecta, 2—3 poll. longa, pinnæ inferiores vulgo 5- superiora 3-foliolata; foliola petiolulis capillaribus ½ lin. vix longis (terminali petiolulo usque ad ½ poll. longo) suffulta, parva, ½—¾ pollicaria, ovata ad lato-ovata, grosse crenato-repanda, acuta, rigide chartacea, glabra, in sicco supra nigrescentia subtus fusciscentia; paniculæ furcato-cymosæ, oppositifoliæ, pedunculo pollicari suffultæ; flores etc. omnes delapsi.—*Deyrah Dhoon (Capt. Vicary, 1833).*

Species elegantissima ex affinitate *V. Cantoniensis*.

19. *SAPINDUS TOMENTOSUS*, nov. sp.

Arbor? pubescens, habitu *Erioglossi* etc.; folia paripinnata cum rhachi et petiolulis tomentella; foliola 4—3-juga, 4—5 poll. longa, 2—3 poll. lata, inæquali ovato-oblonga, basi inæquali acuta, breviter petiolulata, acuminata v. acuta, integra, chartacea, supra nervis puberulis exceptis glabra, subtus dense tomentella; panícula tomentella, terminalis; sepala oblongo-lanceolata,